

# ÖKO\_LAVAMAT 6450 sensortronic

The Environment-Friendly Washing Machine

Operating Instructions

**AEG**

**AUS  
ERFAHRUNG  
GUT**



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## Safety instructions

### Before first use

- you should have noted the installation and connection instructions and the operating instructions.
- you must have removed all parts of the transport packing. Unless removed, transport packing may lead to damage to the appliance and neighbouring furniture during the machine spin sequence.
- you should have run an initial washing cycle without laundry to remove residues of factory-applied grease on the laundry drum and suds tank. Programme: 60 °C coloureds with half a measuring beaker of detergent.  
Small water residues which you may well find in the suds tank are due to the thorough test to which your machine was subjected in the factory.

### Safety instructions for the user

The safety of AEG electrical appliances conforms to the recognised rules of technology and the Appliance Safety Act. As manufacturers, we nonetheless feel obliged to familiarise you and any other persons using the machine with the following instructions:

- Please make sure before using your machine for the first time that the mains voltage and current type indicated on the rating plate agree with the mains voltage and current type where the machine is used. The necessary fusing is also indicated on the rating plate.
- Before cleaning, care, and maintenance work, make sure that the appliance is switched off. You will proceed safely if you first pull the mains plug out of the socket or, if your machine is connected by a fixed wiring connection, you switch off the FI protection switch or LP switch or completely remove the fuse (see installation and connection instructions).
- Never direct a water jet on to the outer casing.
- Never use the power lead to pull the plug out of the socket! Please take hold of the plug.
- Never operate the appliance if:
  - the power lead is damaged, or
  - the appliance shows visible damage in the region of the control panel, worktop, or plinth.
- **Repairs to electrical appliances should only be performed by a trained electrician. Improper repairs may place the user at serious risk.**

If any other maintenance needs to be carried out, you are always recommended to contact our service centre or a repair shop authorised by ourselves. Only original AEG spare parts fulfill all requirements.

- If the appliance is installed under a worktop in your kitchen or utility room, an intermediate earthed panel must be provided as protection against contact according to the installation and connection instructions when the worktop has been removed (see special accessories).

- Children may not recognise the dangers of improper use of electrical appliances. Please therefore ensure proper supervision during use.
  - When the day finally comes to withdraw the appliance from service and to replace it with another machine, please make sure the lock is prevented from working, and cut the power lead off and remove it. Ensure the appliance is properly disposed of.
  - If the appliance is wrongly operated or used for any purpose other than that for which it is intended, AEG cannot assume liability for any possible damage.
  - Do not climb on the appliance.
  - Small children must not be allowed to play inside the appliance.
  - Do not reach in to the drum while it is rotating.
  - When you wash with high temperatures, the glass of the loading door will become hot. Do not touch!
  - Opening the water pipes or channels, e. g. the fluff sieve, gives rise to danger from scalding.
  - In case of any fault, switch the appliance off (pull the plug out) and turn the water-tap off.
- 
- Please keep the packaging away from children. The foil represents a special source of danger. The packaging material meets ecological requirements and can be easily disposed off. You are advised to dispose of this material as quickly as possible.
  - Secure the drain hose with the hose holder against sliding off the sink or bath (see section on "Water drainage" in the installation and connection instructions).
  - If you machine-wash laundry precleaned with flammable solvents, these solvent must first have fully evaporated.
  - Never use the appliance for chemical cleaning!
  - Colouring/colour removal agents may be used only if the manufacturer of these products expressly allows them for use in machine-washing in his instructions for use. No liability can be assumed for any consequential damage.
  - When cleaning the steel drum, never use any iron-containing scouring agents or steel wool!  
Also keep furniture polishes or aggressive cleansers away from the screen and control panel.
  - Use only tap water. Never use any other liquids. You may use rainwater only if it is completely clean, otherwise operation of the electrical solenoid valves could be disrupted.

**You should  
also note  
the following ...**

## My ÖKO system



Your new ÖKO-LAVAMAT from the AEG ÖKO system meets all laundry care requirements and allows individual and versatile programme selection.

Highly economical water, energy, and detergent consumption contributes to relief of our environment and ensures maximum economic viability.

### **The Sensortronic system**

This AEG-developed rinse/spin process, keeps the level of frothing within the narrowest limits possible while your washing machine is running whites/coloureds laundry programmes with intermediate spinning. During each spin sequence, the drum runs up to the required speed in small speed steps fully foam-monitored. What this means for you is:

outstanding washing and rinsing results at very low water consumption.

You can recognize this automatic sequence by frequent changes in my spin speed.

Where, in special cases, too much foam occurs – e.g. when too much detergent is dosed – a "Special rinse" sequence is further automatically combined as necessary (see sequence indication), which leads to higher water consumption.

This fourth rinse sequence can also be permanently combined.

### **The Öko lock**

My ÖKO lock ensures 100 % detergent utilization through automatic closure of the suds tank during washing on all programmes and at all washing temperatures. This reinforces the cleaning effect and helps save detergent in comparison with machines without such a device.

### **The scoop ribs**

Scoop ribs arranged in my laundry drum continuously recirculate the water upwards, ensuring intensive and uniform soaking of your laundry.

### **Water pre- softening**

My water pre-softening through the 2-stage dispensing system and special softener and detergent allows environmentally conscious washing in hard-water areas.

The automatic flowrate feature automatically adjusts the water consumption to the wash load and fabric type concerned. By additionally pressing the economy button for small loads, you can save even more water.

Also advantageous is the possibility of selecting the shortest washing times for slightly soiled and small wash loads, e.g. in the case of sports and leisure clothing.

My wool cradle takes special care of your woollens: under a much-reduced washing action, these especially sensitive garments are gently "rocked" to and fro in the drum. I wish you great joy in taking economical and gentle care of your laundry!

All used materials are environmentally compatible. They can be safely disposed of or burnt in a refuse incinerator.

Regarding the materials: The plastics can also be recycled and are marked as follows:

>PE< for polyethylene e. g. as used in outer wrapping and bags inside;

>PS< for polystyrene foam e. g. as used in the packing; this material is basically CFC-free.

The cardboard parts are made of waste paper and should be put back into the waste paper collection system.

## **The automatic flowrate feature**

## **The short programmes**

## **The wool cradle**

## **Appliance Packaging Information**

## For the sake of the environment ...

### Ecology-tips for economical washing

These tips will help you to act in a way that shows awareness of the environment.

- The programmes without pre-soaking are provided for laundry which is averagely dirty. You save washing powder and water in comparison with programmes that do include pre-soaking.
- Only use full-range washing powder or liquid with added bleach if the items have stains on them which can be bleached out.
- You can keep consumption figures low by filling your washing machine full each time. If it should nonetheless be necessary to wash small quantities, use my "SMALL QUANTITY" button and add only about 2/3 to 1/2 as much washing powder or liquid. Then, less water, energy, and washing powder or liquid will be used than when small quantities are washed using a normal programme.
- If your washing is only slightly to normally dirty, my E = "SAVE ENERGY" programme, with its lower temperature for a longer time, will be sufficient.
- Stains and limited areas of dirt can be removed with the right pre-treatment. This saves running a programme for particularly washing.
- Use exactly the dosage of washing powder or liquid given in the manufacturer's instructions. Using too much is only a waste of money, and also pollutes the environment. And pay special attention to the dosage for washing that is only slightly soiled.
- It is also possible to save washing powder and protect the environment, if you have medium to very hard water, by dosing the washing powder or liquid as for soft water and adding a separate water-softener. That keeps a certain amount of „chemicals“ out of our water-courses. Your ÖKO-LAVAMAT is equipped here with a particularly effect water pre-softening with a 2-stage take-up mechanism. You will find tips on this in the section on "Adding washing powder or liquid".
- Only add fabric softener when it is necessary, e.g. with mixed synthetic fabrics, in order to prevent a static charge building up. If you use a tumble-dryer your washing will become soft and fluffy even without a fabric softener.

### Economy programmes

#### And these are my economy programmes

##### SMALL QUANTITIES

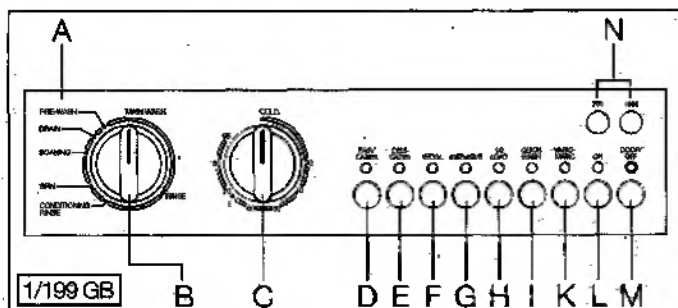
- Programme for use with half or less of the normal quantity of washing

##### E = SAVE ENERGY

- Programme for textiles with a degree of soiling which does not call for the full bleaching effect of high temperatures.

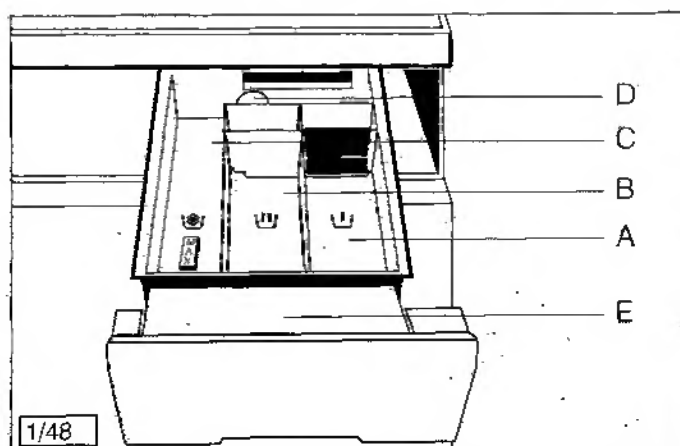
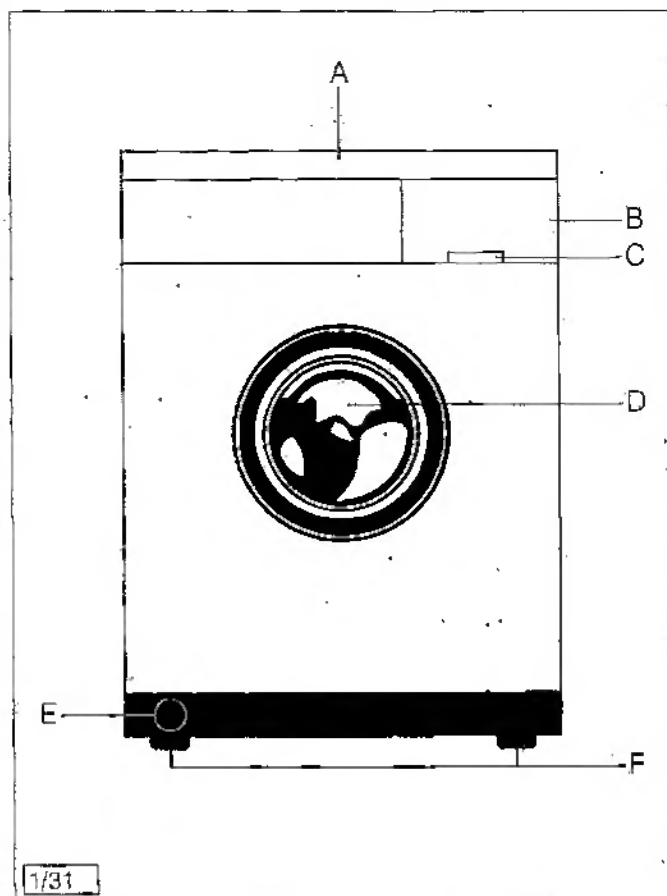


## Appliance description



- A** Control panel
- B** Programme selector switch with programme cycle indicator
- C** Temperature selector switch
- D** Easy-care fabrics button
- E** Delicates button
- F** Woollens button
- G** Intensive washing button
- H** Small wash load button
- I** Short programme button
- K** VARIOMATIC spin and rinse-stop selector button
- L** ON button with operating pilot lamp (red) above
- M** Door release/OFF button  
(automatically releases buttons D to L)
- N** Spin speed selector buttons

## Features



**A** Detachable worktop

**B** Dispenser with compartments for dosage of detergent and fabric conditioner and with inserted programme card printed on both sides, withdrawable

**C** Detergent dispenser handle

**D** Laundry loading door, opened via door release button (only when machine is connected)

**E** Drain pump (cover with debris trap opens for cleaning) – on LH side of latter, emergency drain hose and rotary release knob for emergency release of loading door

**F** 4 height-adjustable screw-in feet (front and rear)

## **Features**

---

**A** Water softener or prewash agent compartment

**B** Detergent compartment for main wash

**C** Liquid conditioner compartment (fabric softener, liquid conditioner, starch)

**D** Siphon (must be securely inserted)

**E** Programme card\*)

\*) You can re-order my programme card from your service centre if it ever gets lost.

**The dispenser  
for detergent  
and fabric  
conditioner**

## **How to machine-wash correctly (brief instructions)**

### **Preparing the laundry**

Sorting  
Pretreatment  
Care needed for certain fabrics

### **Loading the laundry**

Open loading door  
Insert laundry  
Close loading door

### **Detergent dosage**

Select detergent  
Amount of detergent  
Add detergent/fabric conditioner  
Insert dispenser

### **Setting the washing programme**

See programme table or programme survey in dispenser  
Press additive buttons  
Press ON button  
The programme starts. The pilot lamp lights up.

### **Continuing the programme**

On programmes with rinse-stop, subsequently drain water from laundry;  
Set programme selector to DRAIN or SPIN.

### **When the programme has ended**

Press the DOOR/OFF button until the loading door springs open;  
any depressed programme buttons are automatically released.  
The pilot lamp goes out.  
Take out the laundry.  
If no more laundry is to be washed:  
Turn the programme and temperature selector switches to the  
OFF position.

## Before starting to wash

- Check that the fabrics are machine-washable. The internationally valid care marks will give you guidance.

**Whites**



**Coloureds**



**Easy-care fabrics**




**Delicatea**



**Woolens**



- Woolens labelled only with the woolmark  are **not** suitable for machine-washing. Garments and woolens must be labelled with the woolmark and additionally marked "will not felt", "non-felting", or "machine-washable".
- Unsuitable for machine-washing are garments marked with the following symbols:

**Hand wash**



**Do not wash**



- Note care instruction "Wash separately".
- Coloureds and whites should never be washed together. In this case, whites will turn grey when washed. New dark-coloured laundry often has surplus colour. This may be transferred to lighter fabrics during washing. Such garments are best washed alone the first time.

## Sorting your laundry

## **Pretreating your laundry**

## **Care needed for certain fabrics**

- **Remove stains** wherever possible immediately before they have soaked in, with water and soap, or a special detergent or laundry paste.

- **Empty pockets.**

Please make sure that no metal objects (e.g. paper clips, staples, safety pins, or the like) remain in the laundry. Button up pillow cases, close zip-fasteners, hooks, and eyes. Tie together loose belts and long apron strings. Turn knitted coloured garments, woolens, and bejewelled textiles inside out.

- **Particularly small or sensitive garments** (e.g., baby socks, ladies tights) can be easily washed in a small gauze bag with zip-fastener or in larger socks.

- **Handle curtains especially carefully.**

When taking them off their rails when windows are open, you may damage or tear them (causing "ladders"). Remove rings from your curtains or enclose them in a net or bag. Under no circumstances can we accept liability for such damage to curtains.

Spin curtains only when permitted by the manufacturer.

## Inserting your laundry

	Full load	Small loads
Whites/Coloureds normally soiled	5.0 kg	2.5 kg
heavily soiled	3.5 kg	1.8 kg
Easy-care fabrics	2.0 kg	1.0 kg
Delicates	2.0 kg	—
Woollens	1.0 kg	—
Short programme for whites/coloureds	2.5 kg	1.3 kg
Short programme for easy-care fabrics	2.0 kg	1.0 kg
Soaking	3.5 kg	1.8 kg

**Wash loads  
(maximum  
dry wash  
loads)**

Fill to the maximum recommended full load wherever possible, since this ensures optimum economy.

Do not overfill.

This will adversely affect the washing result.

With delicate easy-care washing liable to crease you should fill with less than the stated amount of water.

### Information for Test Institutes

For tests similar to IEC 456 (new) using standard load A, the maximum load is 4.5 kg.

**Opening  
and closing  
the filling  
door**

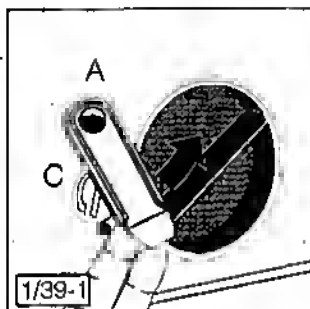
**Opening  
the door in  
the event  
of a power  
failure**

**Opening  
the door when  
the washing  
machine is not  
connected  
to the mains**

At the end of the programme, press the DOOR button until the door opens.

Consult the section "What do I do if ...?"

- Slightly ease out the rotary control for emergency drain (A) and turn it anticlockwise for a quarter of a turn to the stop position.
- Use a coin or a screwdriver to turn the knob (C) which thus becomes visible anti-clockwise (in the direction of the arrow) until the door opens.



- Turn the toggle (A) for emergency emptying clockwise to its original position.

**Filling**

Wash a mixture of large and small items if at all possible. This improves the washing effect and results in a better distribution of the washing when spinning.

Shake the folds out of the washing before filling.

**This is how  
you close  
the door:**

You press it shut until you hear the latch click.

**Safety  
latch**

For your safety, the filling door is bolted shut for the whole washing programme. It cannot be opened until the programme has finished.



# Detergents

Use only detergents that are suitable for machine-washing. You will achieve the best cleaning action with a minimum of chemicals and with optimum laundry care by also considering the type of laundry soiling during your selecting of a suitable detergent.

Machine-washable soiling is basically classified into:

- **Dirt**, e. g. dust, soot, sweat, sebum, etc.
- **Stains**, e. g. tea, red wine, fruit, blood.

There are

- **Full-power washing powders** with bleach additive especially suitable for programmes with higher washing temperatures (60 °C and more), for heavily stained and soiled laundry.
- **Liquid detergents**, especially suitable for soiling by fats; e.g. sebum, cosmetics, and oil. Being bleach-free, they are less suitable for stained laundry.
- **BIO detergents**. Not all the products on the market, however, achieve the full washing performance.
- **Detergents for coloureds and delicates**. They contain no bleach additives, and often no optical brighteners either, and are therefore gentle on colours.
- **Detergents for woollens** free from bleach additives and enzymes with an especially gentle effect on wool fibres.
- **Curtain detergents** containing light-fast optical brighteners to avoid yellowing due to the effect of sunlight.
- **Modular detergents** for the precise application of chemical substances according to fabric type, soiling, and water hardness.
- **Water softeners** allow the use of smaller amounts of detergents in households having fairly hard, hard, or very hard tap water.
- **Pretreatment agent** for precise pretreatment of stains; its use enables any possible subsequent washing to proceed at a lower washing temperature or with bleach-free detergents.
- **Fabric softeners** prevent the static charging of synthetic fabrics and make your laundry soft to the touch. If you use a tumble dryer, your laundry will also be soft and fluffy without a fabric conditioner.
- **Starches, conditioning rinses, fine conditioners** ensure that your laundry keeps its shape and also make ironing easier.

## Selecting your detergent

### Universal detergents

### Special detergents

### Washing aids

## Amount of detergent

The amount of detergent used depends on the hardness range of your tap water. The harder the water, the more detergent must be dosed to bind the lime contained in the water. You will find dosage indications relating to water hardness on the detergent pack.

The water board serving the area you live in will give you information on its water hardness.

### Water hardness

Hardness range	°dH	mmol/l
I - soft	under 8	under 1.4
II - fairly hard	8-14	1.4-2.5
III - hard	15-21	2.6-3.7
IV - very hard	over 21	over 3.7

For only lightly soiled laundry, dose less. In this respect, follow the detergent manufacturer's instructions. If the latter gives no dosage indications for small loads, you should add 1/3 less for half wash loads and, for the smallest loads, only half the amount recommended for a full load.

## Water pre- softening

Your ÖKO-LAVAMAT is equipped for especially effective water pre-softening by means of a 2-stage dispensing for detergent and softener. On **programmes without prawash**, it allows separate dispensing of softener and detergent.

This helps you save detergent and perceptibly reduce the amount of "chemicals" in our rivers and streams.

The 2-stage dispensing feature ensures that the softener is initially dispensed and can then soften the water for around five minutes. Only then is the detergent used, encountering the already pre-softened water and immediately going to work on dissolving the dirt. That reinforces the washing power of your machine and ensures excellent washing results despite very economical detergent consumption.


You should dose the special softener according to the water hardness as instructed on the softener package, minus 20 % that you can save due to the optimal effectiveness of the water pre-softening feature. In this case, you should **always dose the detergent for "soft" hardness range I** as instructed on the detergent packages.

On **programmes with prawash**, you can also wash with detergent and special softener in the same environmentally conscious manner. In this case, add the detergent and softener **together** in the respective compartments for prewash and main wash. The dosage also here depends on the instructions given on the detergent and softener packages.


As previously, you can also of course use commercial detergents without the softener depending on hardness range according to the dosage recommendations on the detergent packages.


## Dosing the detergent

The detergent dispenser has three compartments:

Compartment  = washing powder for prewash or softening powder  
(right)

- marked green -

Compartment  = washing powder for main wash  
(centre)

Compartment  = liquid conditioner (conditioning rinse, starch)  
(left)

### Please also note the following:


## Dosing the powders

- On programmes **with prewash** with addition of detergent and softener, fill **first detergent and then softener** in the same compartments.
- Stain salts/bleaching agents are always filled on the detergent.

## Dosing the liquids

- If you prefer **liquid detergents**, use the dosage measures offered throughout the detergent industry when adding them. Dose these agents as instructed by the manufacturer.
- When using liquid conditioners, follow the manufacturers' instructions.

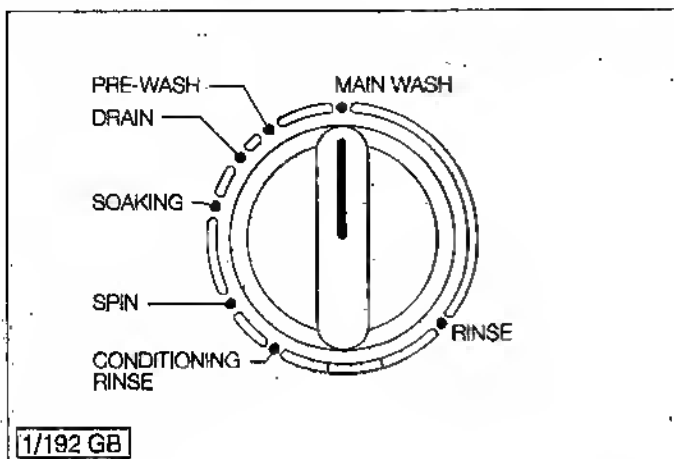
## Dosing liquid conditioners

- Fill these agents **only up to the "MAX" mark**, since they will otherwise prematurely flow into the machine without any effect.
- **When using thick fabric conditioner concentrates and starches**, you are recommended to fill the compartment with water to below the "MAX" mark to ensure trouble-free dispensing after dosage.
- If you want to use **starch powder**, dissolve it according to the manufacturer's instructions and place the dissolved starch in compartment , selecting the "Conditioning" programme, which can also be used for starching.

## Selecting the washing programme

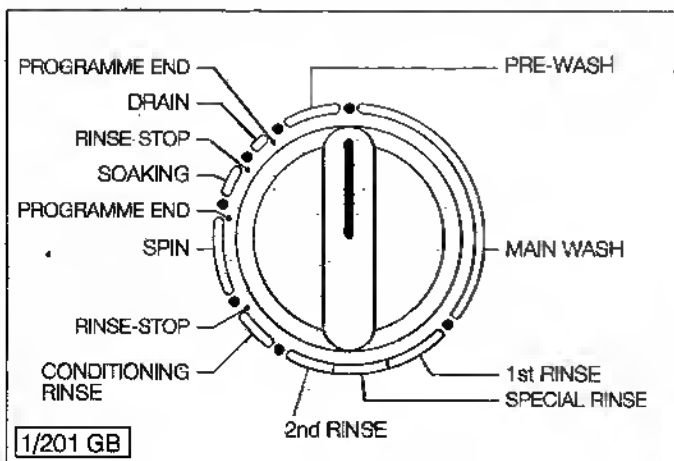
You can select my washing programme with the programme selector and the buttons.

My programme selector has 7 settings for the main and additional programmes.



The programme selector may be turned clockwise and only when the machine is switched off.

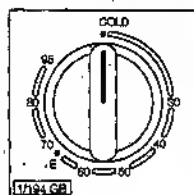
During the programme cycle, the programme cycle indicator rotates and indicates which part of the programme is then in progress. In certain programme segments, the programme cycle indicator remains at rest for some length of time. In the "Woollens" programme, the laundry drum also remains at rest for some length of time.



### The programme selector

### The programme cycle indicator

## The temperature selector

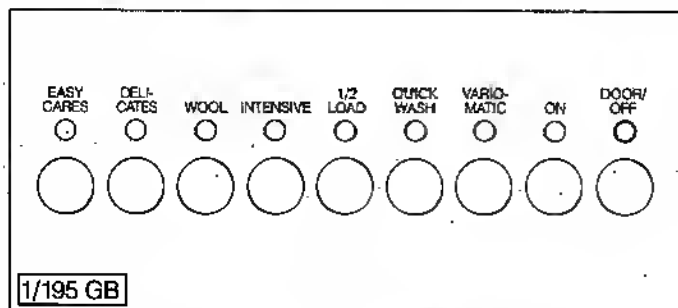


The temperature selector features continuously variable setting to all necessary temperatures.

If you wash at higher temperatures, the loading door window gets hot. Do not touch it!

For whites/coloureds, you can save up to 30 % energy in the "E" = energy saving position. In order to obtain the same washing results, you must press the button "INTENSIVE" to prolong the washing time.

By combining the main and additional programmes with the appropriate buttons, you will have a range of programmes meeting all your laundry needs.



A red indicator appears above the depressed button.

**Effect:**

No intermediate spin after main wash and rinses. Rinse hold (unless VARIOMATIC button is also pressed).

**Effect:**

Reduces drum action – higher water level for main wash and rinse – no intermediate spin after main wash and rinses – Rinse hold (unless VARIOMATIC button is also pressed).

**Effect:**

Greatly reduces drum action – higher water level for main wash and rinse – no intermediate spin after main wash and rinses – Rinse hold (unless VARIOMATIC button is also pressed).

**Effect:**

the duration of the main wash is extended. When using this selection you can:

- wash heavily soiled white cottons without reducing the wash temperature;
- increase the wash action for normally or heavily soiled Coloureds or Easy-Cares;
- reduce the wash temperature for lightly or normally soiled clothes, e. g. selecting **E** instead of **95**. This saves 30 % energy.

**Effect:**

- **For cotton/linens and easy-care fabrics**  
Reduces water level for rinsing. This saves water.
- **For delicates**  
The machine will use less water for washing and rinsing. This saves water and energy.  
This button cannot be used for the wool programme.

## The button functions

### EASY-CARES

### DELICATES

### WOOLLENS

### INTENSIVE

### HALF LOAD

## QUICK WASH

When washing cotton/linens and easy-care laundry, you can select appropriate quick wash for these fabrics. Especially suitable for lightly soiled items, e. g: sports and leisure clothing, guest towels, etc.

Effect:

### ■ For cotton/linens

Shortened main wash – only 2 rinse cycles – final spin.

### ■ For easy-care fabrics

Shortened main wash – only 2 rinse cycles – rinse-hold (unless the VARIOMATIC button has also been pressed).

This button can also be combined with the HALFLoad button for small wash loads (see programme table).

This button cannot be used for the delicates and woollen programmes.

Effect:

### ■ For cotton/linens

Press this button if you want a **VARIOMATIC spin** instead of the normal spin. The VARIOMATIC spin is a sequence of spins with loosening of the laundry in between each spin.

The time is prolonged by approx. 20 minutes.

### ■ For easy-care fabrics/delicates

The usual rinse-hold is cancelled, followed by a three-stage VARIOMATIC spin (**short VARIOMATIC**)

### ■ For woollens

The usual rinse-hold is cancelled, followed by a **woollens single-stage spin sequence**.

## ON

Effect:

The machine is ready to operate, the pilot lamp above the button is on. The programme starts. The sequence indicator on the programme selector rotates step by step.

## DOOR/OFF

Effect:

Press until the loading door springs open.

The pilot lamp goes out. The machine is switched off. All depressed buttons are released except the spin reduction buttons.

## Selecting the spin speed

700 1200



Using these buttons, you can select the appropriate spin speed for your laundry and decide whether the spin should be more or less intensive.

If you press none of these buttons, your laundry is automatically spun at the maximum speed.

**Select maximum speed if this sequence is to be followed by drying in a tumble dryer as both time and energy will be saved.**






For **easy-care fabrics and delicates**, the spin speed is limited to max. 850 r.p.m. You can reduce to a speed of 700 r.p.m.


**Woollens** are automatically subjected to a **short spin sequence**.





## Programme table

Laundry care label	Programme	Setting the programme		
		Programme selector	Temperature selector	Buttons
 Cotton/linen	Boilable whites/coloureds	MAIN WASH <sup>1)</sup>	30 ... 95	ON
 Cotton/linen	Energy saving progr. E	MAIN WASH <sup>1)</sup>	E	ON INTENSIVE
 Treated cotton, cotton mixtures, synthetics	Easy-cares	MAIN WASH <sup>1)</sup>	30 ... 95	ON EASY-CARES
 Synthetics, curtains	Delicates	MAIN WASH <sup>1)</sup>	COLD ... 40	ON DELICATES
 Woollens/wool mixtures/silk	Woollens	MAIN WASH <sup>1)</sup>	COLD ... 40	ON WOOLLENS
Cotton/linen	Rinse	RINSE	-	ON
Easy-care fabrics/delicates	Rinse	RINSE	-	ON EASY-CARES
Woollens	Rinse	RINSE	-	ON WOOLLENS
Cotton/linen	Conditioning rinse/Starch	CONDITIONING RINSE	-	ON
Easy-care fabrics/delicates			-	ON EASY-CARES
Woollens			-	ON WOOLLENS
Cotton/linen	Spin	SPIN	-	ON
Easy-care fabrics/delicates			-	ON EASY-CARES
Woollens			-	ON WOOLLENS
	Extra prewash/	SOAK <sup>4)</sup>	COLD ... 40	ON
	pre-soak		COLD ... 40	
	Pump out	PUMP OUT	-	ON

<b>Wash load</b>	<b>Programme cycle</b>	<b>Option buttons</b>	<b>Additional instructions</b>
up to 5 kg <sup>2)</sup>	Main wash - intermediate spin - 3 rinses with intermediate spinning - final spin	INTENSIVE HALF LOAD QUICK WASH VARIO-MATIC 1200 700	The manual operations you have to carry out before each programme can be seen if you read the brief instructions.  1) with prewash, set programme selector to PREWASH.  2) 3.5 kg for heavily soiled laundry.  3) Rinse hold The laundry remains in the last rinsing water or in the pre-soaking suds. Press the VARIOMATIC button or select the programmes RINSE or PUMP OUT.  4) Fill detergent in compartment  (RH) marked green.
up to 5 kg <sup>2)</sup>		HALF LOAD VARIO-MATIC 1200 700	
up to 2 kg	Main wash - 3 rinses - rinse hold <sup>3)</sup>	INTENSIVE HALF LOAD QUICK WASH VARIO-MATIC 700	
up to 2 kg	Main wash at high water level, reduced drum action - 3 rinses - rinse hold <sup>3)</sup>	HALF LOAD VARIO-MATIC 700	
up to 1 kg	Main wash at high water level, greatly reduced drum action - 3 rinses - rinse hold <sup>3)</sup>	VARIO-MATIC 700	
up to 5 kg	3 rinses - pump-out - final spin	HALF LOAD VARIO-MATIC 1200 700	
up to 2 kg	3 rinses - rinse hold <sup>3)</sup>	HALF LOAD VARIO-MATIC 700	
up to 1 kg	3 rinses - rinse hold <sup>3)</sup>	VARIO-MATIC 700	
up to 5 kg	Rinse - pump-out - final spin	HALF LOAD VARIO-MATIC 1200 700	
up to 2 kg	Rinse - rinse hold <sup>3)</sup>	HALF LOAD VARIO-MATIC 700	
up to 1 kg	Rinse - rinse hold <sup>3)</sup>	VARIO-MATIC 700	
up to 5 kg	Pump-out - final spin	VARIO-MATIC 1200 700	
up to 2 kg	Pump-out - short Variomatic	700	
up to 1 kg	Pump-out - short spin	700	
up to 3.5 kg	Prewash at high water level. The washing can remain indefinitely in the suds and is gently rocked to and fro.		
	Pump out, e.g. after rinse hold		

## Consumption values and time requirement for selected programmes

Programme	Water consumption litres	Power consumption KWh	Time requirement minutes
Whites 95 °C, full wash-load	63	1.8	115
Whites 95 °C with 1/2 button, half wash-load	43	1.4	105
Economy programme, full wash-load	63	1.4	115
Coloureds 60 °C, full wash-load	63	1.0	90
Coloureds 40 °C short, half wash-load	62	0.4	40
Easy-care laundry 60 °C, 2.0 kg wash-load	58	0.7	60
Easy-care laundry 30 °C with 1/2 button, short, 1 kg wash-load	32	0.2	25
Delicates 40 °C, 2.0 kg wash-load	58	0.6	50
Woolens 40 °C, 1 kg wash-load	62	0.5	60

The values listed above were determined under normal conditions. Deviations up or down are possible under practical conditions.

On programmes with prewash (except woolens), the time requirement increases around 20 minutes.

## Programme end

As soon as the programme has ended, press the DOOR/OFF button until the loading door springs open. The operating pilot lamp goes out. Your machine is switched off. All depressed programme buttons are then released. Only the selected spin speed button remains depressed. Reset where necessary to the maximum speed. Turn the temperature selector switch to the COLD position.

Take out the laundry.

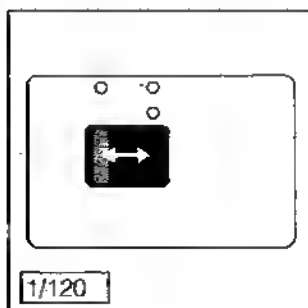
Also check that my drum is completely empty, since fabrics may otherwise be damaged during the next wash (e.g. shrink) or discolour other laundry.

## Special rinse

Your ÖKO-LAVAMAT is adjusted for extremely economical water consumption in normal operation and normally operates with only 3 rinse cycles.

For whites and coloureds, however, you can always combine a fourth rinse cycle. See also programme cycle indicator. The water consumption then increases some 25 %. My programme then runs 5-10 minutes longer.

- Pull out my detergent dispenser until the sliding switch in the frame is accessible on the left.
- Set the sliding switch to the right (● ●).



- Re-insert the dispenser.

**Open  
the door  
Switch off  
your machine**

**Combining an  
additional  
4 th rinse  
cycle**

**The sliding  
switch**

## Special accessories

### **Build-under kit E-Nr. 605 896 832**

Necessary when installing free-standing automatic washing machines under worktops.

The kit contains:

- Cover sheet with 2 fan discs as contact protection when the worktop is removed

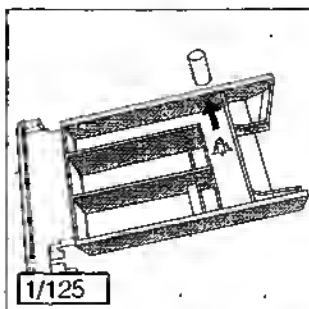
**The automatic washing machine without a worktop should now only be used after installation and earthing of the cover sheet as prescribed.**

- 2 sliding rails to assist insertion under worktops.
- Fume protection foil for protection of worktops in the region of the control panel and detergent dispenser.

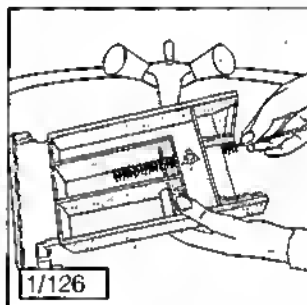
## Maintenance and care

From time to time, you should clean the detergent dispenser of detergent residues.

- To do this, slightly lift the dispenser and pull it out with a jerk. Also detach the syphon in the special conditioner compartment (Fig.).



- Clean the dispenser compartments from the rear side, preferably with warm water and a bottle brush (Fig.).



- Clean the syphon under running water. Re-insert the latter to its fullest extent. Check for proper seating.
- Clean the top of the detergent compartments with a brush.
- Re-insert the dispenser in the guides and push it in.
- At the end of the programme, pull the washing powder compartment out a little way so that it dries.

## Detergent dispenser

<b>Laundry drum</b>	The laundry drum is made of stainless steel. Any objects left in the laundry and likely to rust (see the section on "Preparing the laundry") may leave rust stains on the drum. These stains can be removed with a stainless steel cleaner. Your service centre stocks suitable products.
<b>Loading door</b>	Remove any deposits or foreign bodies from the rubber sleeve behind the loading door. The loading door should not be closed after washing, so that the laundry drum can dry out and the machine is thoroughly ventilated.
<b>Descaling</b>	If you have ensured the proper detergent dosage, your machine will hardly ever need to be descaled. If descaling should be necessary, use only branded descaling agents with corrosion protection for washing machines. Your service centre stocks suitable products.
<b>Screens and controls</b>	The control panel and its controls should be cleaned as necessary with luke-warm water only.
<b>Frost protection</b>	<p><b>Frost damage does not come under the guarantee!</b></p> <p>If your ÖKO-LAVAMAT is installed in a room susceptible to frost, your machine must be subjected to emergency emptying as described in the section of "If you think your washing machine is not working properly ..." if there is any imminent risk of frost. Also, unscrew the supply hose from the water tap and allow the water to run out. Place a cloth underneath.</p>



## **If you think your washing machine is not working properly ...**

### **... the laundry loading door will not open?**

- Your machine may well not be connected to the mains supply, or
- You have not pressed the door release button long enough.
- A programme with rinse-stop has been selected.

### **... owing to power failure, the loading door will not open?**

- See "Opening the door in the event of a power failure" at the end of this section.

### **... the washing machine is not working at all?**

- Your machine may well not be plugged (the power plug may not be in the plug socket).
- The ON button has not been pressed.
- The loading door is not properly closed.
- The fuse is not OK.

### **... no water runs in?**

- The water tap may well not have been turned on.
- One of the strainers in the water supply hose is choked. One strainer is located in the hose screw coupling on the water tap: unscrew the supply hose and clean the strainer under running water.

A second strainer is located in the machine connection union. Unscrew the supply hose on the machine and clean the strainer.

### **... the spin sequence starts with some delay?**

- The electronic imbalance monitoring system of your machine has been set off by poor laundry distribution. Your laundry should be loosened and better distributed by the to and fro action of the drum and the spin sequence restarted. This may happen several times until the imbalance is corrected and the spin sequence can finally start.

### **... the washing machine vibrates?**

- Very small wash loads (e.g. only one bathrobe) may possibly cause your machine to vibrate. This does not affect operation of your machine in any way. The appliance feet are not properly adjusted. See Instructions for Installation.

### **... the spin speed fluctuates and is uneven?**

- Owing to excessive frothing, the Sensortronic electronic foam monitoring system has temporarily reduced the spin speed until the foam is brought under control. Your laundry is respun immediately thereafter.

Check the detergent dosage in the next programme.

### **... the washing machine makes unusual noises?**

- This washing machine possesses a modern drive system, which in comparison with earlier drives produces a different kind of noise, rather like a whistle.

The new drive allows the washing machine to build up speed gently when spin-drying, and to then keep to the speed-level

**Minor faults  
you can  
rectify  
yourself**

set: The washing machine's stability has thereby been improved and its water-consumption lowered.

**... the suds froth too much in the main wash?**

- You have added too much detergent.

Dose the detergent more accurately.

**... the washing machine does not keep still?**

- The drain hose may well be kinked, or
- The suds pump is choked. In both cases, the water has been pumped away insufficiently or perhaps not at all. See also "Cleaning the suds pump".

- There may well still be transport packing in your washing machine, or your machine has not been properly installed and tilts from side to side.

Check the installation instructions.

**... water runs out from under the machine?**

- The hose screw coupling on the supply hose or the hose clip in the drain hose may well be loose.
- The supply hose or the drain hose is leaking.
- The cover of the suds pump in the plinth (Fig. 1/31 E) has not been properly reconnected after cleaning or emergency emptying. See "Cleaning the suds pump", in this section.

**... the laundry has not turned out as well as it usually does?**

- You have added too little detergent. Underdosage leads to greying of your laundry and to scaling in your machine.

Ensure more accurate dosage.

- You may well also have not used the correct detergent.
- Special soiling has not been pretreated.
- Have you correctly selected the programme and temperature?
- Also check whether, when using "modular detergents", you made the correct choice for the type of soiling concerned.

**... the conditioning rinse was not dispensed and the conditioner compartment is filled with water?**

- The syphon in the compartment is not correctly inserted or is choked. See "Maintenance and care".
- The washing powder compartment has been pulled out when it should have been dispensing.

**... despite pretreatment, stains are not removed during washing?**

- The stains may possibly not be washable. Consult specialist (dry cleaners).

**... grey residues ("flecks") are found on the finished laundry (so-called greasy smudges)?**

- Laundry soiled by ointments, fats, or oils, e.g. sick-bed laundry, has been washed with too little detergent, so that the amount of detergent has been insufficient to dissolve the fat. Add more detergent.

■ Your laundry has been washed at too low a temperature.  
... **even after the final rinse sequence (rinse-stop), foam is still visible?**

■ Modern detergents cause frothing even in the final rinse water, which, however, has no effect whatever on the rinsing result.

... **conditioner flakes remain on the finished laundry?**

■ This is in most cases likely to be due to the fact that conditioning rinse – especially that in concentrated form – has directly affected your laundry.

Wash out these flecks as quickly as possible, and take care when handling these agents!

... **white detergent residues remain on the laundry after the programme has ended?**

■ These residues mostly refer to insoluble constituents of modern detergents. They are not due e.g. to insufficient rinsing.

Possible remedies: Brush or shake out, or possibly also turn garments inside out for washing. Check detergent selection.

... **no water can be seen in the port-hole?**

■ Modern washing machines work very economically, with such small quantities of water that it is sometimes not visible through the port-hole. Nevertheless, the machine still washes and rinses perfectly.

... **the laundry is insufficiently spun or water remains in the drum?**

■ Owing to a kinked hose, the pump is delivering too little water from your washing machine.

■ The pump head of max 1 metre has been exceeded. For such cases, the service centre stocks a retrofitting kit with a second pump.

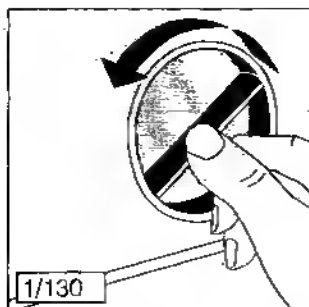
■ The suds pump is choked.

Proceed as follows when cleaning the suds pump:

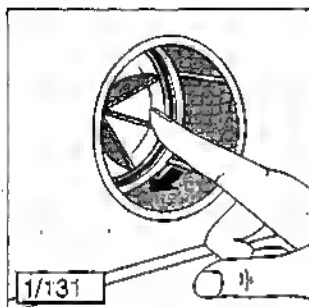
~ **Unplug your washing machine or take out the fuse.**

- Drain the water from the machine as described under "Emergency emptying in the event of a power failure" in the next section.

- Unscrew the suds pump cover anticlockwise (see arrow) and remove together with the insert, placing a cloth underneath beforehand, since residual water may still run out.



- Remove foreign bodies from the pump housing. Always also check by hand that the pump impeller runs easily.

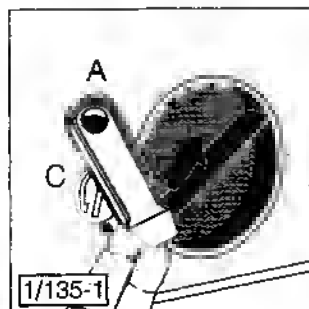


- Re-insert the cover and firmly screw on clockwise - otherwise water will run out.
- Close and insert emergency emptying hose with plug A. Fix the plug by rotating it one quarter revolution in a clockwise direction.

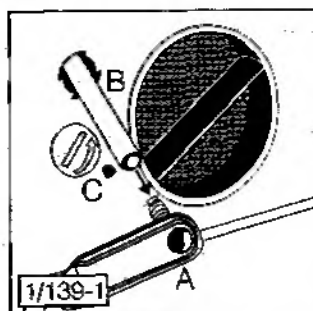
**... the loading door cannot be opened when a power failure has occurred?**

■ Proceed as follows:

- Slightly ease out plug A from the plinth and turn clockwise (in direction of arrow) by a quarter turn until it stops.



- Pull out hose B and remove plug A.



- Allow the residual water to drain into a bowl (place a cloth underneath). Depending on the amount of residual water, it may be necessary to empty the collecting bowl several times. **Take care if the suds are hot!** Where necessary, allow to cool first.
- Reclose hose B with plug A.
- To open the loading door, turn knob C anticlockwise (in the direction of the arrow) with a coin or screwdriver until the loading door springs open.
- Re-insert plug A with hose B and screw tight.

#### **Please note:**

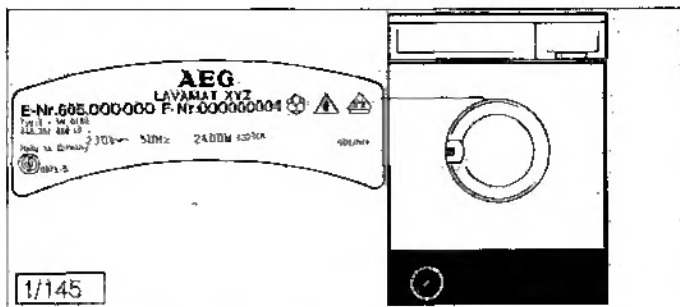
After emergency emptying, your automatic washing machine has been fully emptied.

To ensure the function of my ÖKO lock, it is necessary to add around 1/2 litre of water in my detergent dispenser after re-inserting emergency emptying hose B.

If, however, you decide to call the service centre to help with any of the stated instructions or because of faulty operation, a charge will have to be made for the service engineer's visit even during the guarantee period.

## Customer service

If you find no reference to any particular fault in the Operating Instructions, please contact the service centre. When doing so, quote the product number (E-No.) and serial number (F-No.) of your machine. You will find these numbers on the rating plate.



Your indication of these numbers enables the service centre to make precise identification of the required spare part so that your ÖKO-LAVAMAT can be repaired at the engineer's first visit. You will thus save yourself additional costs due to any possible repeated trips by the service engineer.

To keep these numbers handy, we recommend you to enter them here:

**E-No.** .....

**F-No.** .....

## Technical data

### Dimensions:

with worktop

Height 85.0 cm

Width 60.0 cm

Depth 60.0 cm

Without worktop

Height 82.0 cm

Width 59.5 cm

Depth 57.0 cm

### Connection

Data on electrical connection are given on the rating plate. If your machine is of the convertible type, you should additionally follow the instructions given in the conversion chart on the junction box on the machine back panel.

When connecting the machine, you must make sure that the nominal voltage and current type indicated on the rating plate are the same as the nominal voltage and current type at the installation site.

### Drum speeds

Washing 50 min<sup>-1</sup>

Spinning max. 1200 min<sup>-1</sup>

Optionally 700 min<sup>-1</sup>

### Water pressure:

1 - 10 bar (= 10 - 100 N/cm<sup>2</sup> = 0.1 - 1.0 MPa)

### Weight empty:

Around 85 kg

**CE** This appliance complies with the following EC Directives:

- 73/23/EEC of 19. 2. 1973 - Low-Voltage Directive
- 89/336/EEC of 3. 5. 1989 (including Amendment Directive 92/31/EEC) - EMV Directive.

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